What is claimed is:

1. A process for producing self-cleaning surfaces on coated textile sheets,

which comprises

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the following steps of the process:

- i.) applying hydrophobic nanostructured particles to a surface of a transfer-medium sheet,
- ii.) applying a coating composition and a textile sheet to those surfaces of the transfer medium to which the hydrophobic nanostructured particles were applied in step i.) of the process,
- iii.) heat treatment of the composite resulting from steps i.) to ii.) of the process, and
- iv.) removing the transfer medium.
- The process as claimed in claim 1, wherein the transfer medium has a hydrophobic surface.

 The process as claimed in claim 2, wherein

the transfer medium is a lamination paper.

- The process as claimed in at least one of claims 1 to 3, wherein use is made of particles which have an average diameter of from 0.01 to 100 μm.
- The process as claimed in at least one of claims 1 to 3, wherein use is made of particles which have an average diameter of from 0.02 to 50 μm.
- The process as claimed in at least one of claims 1 to 5, wherein use is made of particles selected from minerals, aluminum oxide, silicates, hydrophobically modified silicas, metal oxides, mixed oxides, metal powders, pigments, and polymers.

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7. The process as claimed in at least one of claims 1 to 6, wherein

the particles have hydrophobic properties after treatment with at least one compound from the group of the alkylsilanes, fluoroalkylsilanes, and disilazanes.

- 8. The process as claimed in at least one of claims 1 to 7, wherein
- the coating composition has hydrophilic properties.
 - The process as claimed in at least one of claims 1 to 8, wherein the coating composition comprises polyvinyl chloride, acrylonitrilebutadiene-styrene terpolymer (ABS), polychloroprene, or polyurethane.
 - 10. The process as claimed in at least one of claims 1 to 9, wherein
- in step ii.) of the process, the coating composition is first applied to that surface of the transfer medium to which the hydrophobic nanostructured particles were applied in step i.) of the process, and then the textile sheet is applied to this coating composition.
- 25 11. The process as claimed in at least one of claims 1 to 9, wherein

in step ii.) of the process, the coating composition is first applied to the surface of the textile sheet, and then this composite is applied to that surface of the transfer medium to which the hydrophobic nanostructured particles were applied in step i.) of the process, the location of the coating composition being between the transfer medium, with its particles, and the textile sheet.

- 12. A coated textile sheet,
- which
 has hydrophobic nanostructured particles on at least one coating surface.
 - 13. The coated textile sheet as claimed in claim 12,

which

is produced by a process as claimed in at least one of claims 1 to 11.

- 5 14. The use of the coated textile sheet produced by a process as claimed in at least one of claims 1 to 11 for the production of clothing, of technical textiles, or of fabrics for textile buildings.
- 15. The use of the coated textile sheet as claimed in claim 14 for the production of rainwear or safety clothing with high visibility.
 - 16. The use of the coated textile sheet as claimed in claim 14 for the production of sun-screening covers.
- 17. The use of the coated textile sheet as claimed in claim 14 for the production of protective tarpaulins, tenting, truck tarpaulins, or other protective coverings.